

Life Sciences: Research Industry

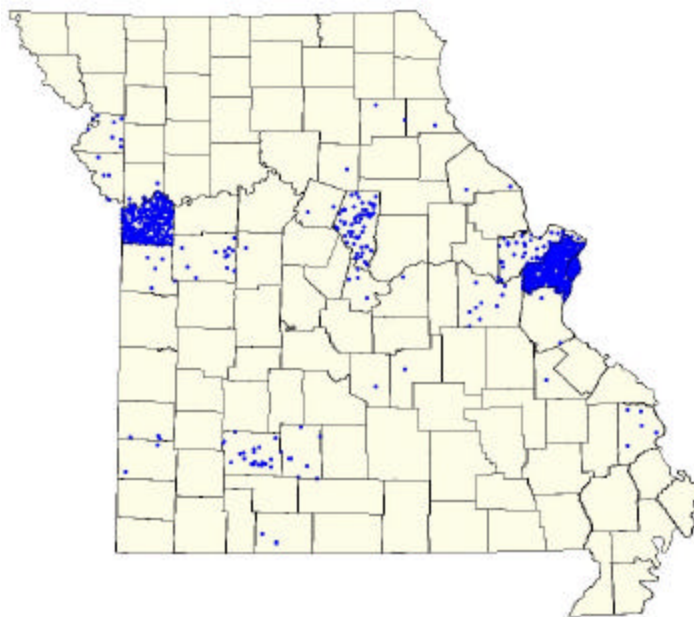
INDUSTRY DESCRIPTION

The Life Sciences Research industry includes firms engaged in providing commercial biological and physical research services, as well as the operation of botanical and zoological centers. This industry is a compilation of several sectors: arboreta, botanical and zoological gardens (SIC 8422); commercial physical and biological research (SIC 8731); and testing laboratories (SIC 8734).

LIFE SCIENCES: RESEARCH INDUSTRY MISSOURI INDICATORS, 1990-2000

	1990	2000	Percent Change
Total Employment	2,275	7,500	229.7% ↑
Total Wages (Millions, 2000 Dollars)	\$67.7	\$653.1	864.2% ↑
Annual Wage Per Job (2000 Dollars)	\$29,763	\$86,484	190.6% ↑
Total Firms	144	260	80.5% ↑

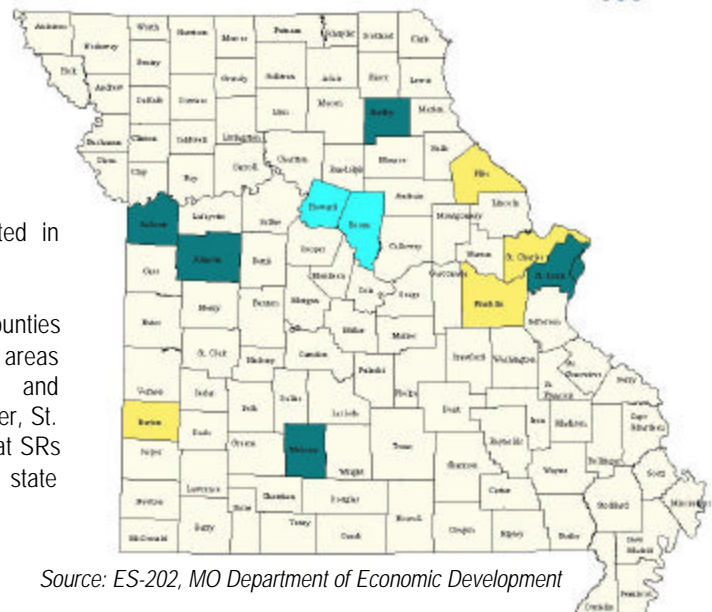
Source: ES-202, MO Department of Economic Development



• = 5 Jobs

Specialization Ratios

- High Specialization (SR > 1.5)
- Above Average Specialization (SR = 1.05 - 1.5)
- Average Specialization (SR = .95 - 1.05)
- Below Average Specialization (SR = .500 - .95)
- Low Specialization (SR < .50)

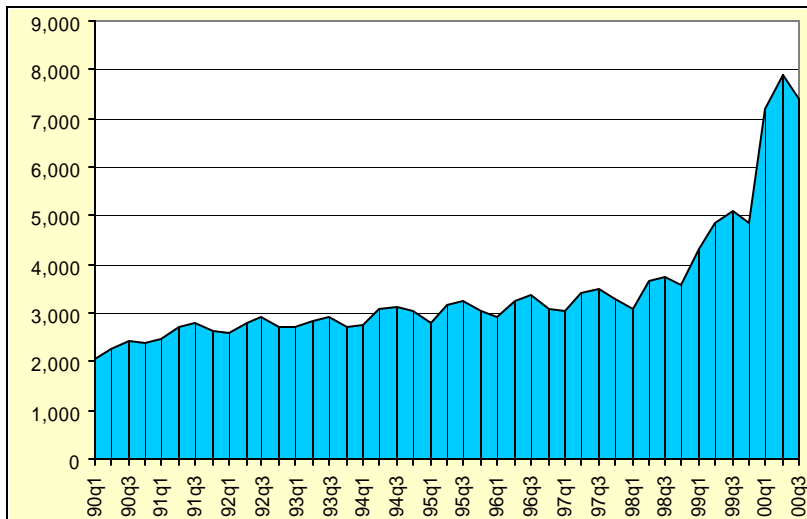


EMPLOYMENT AND SPECIALIZATION, 2000

In 2000, the majority of life sciences research jobs were located in metropolitan St. Louis, Kansas City, Columbia and Springfield.

According to specialization ratios (location quotients), 6 Missouri counties were highly specialized in life sciences research employment. These areas were concentrated in metropolitan St. Louis, Kansas City and Warrensburg. The most specialized counties in the state were Webster, St. Louis City, Shelby, St. Louis, and Jackson. It is important to note that SRs measure the proportion of industry employment relative to the state average, not the total number of jobs.

Source: ES-202, MO Department of Economic Development

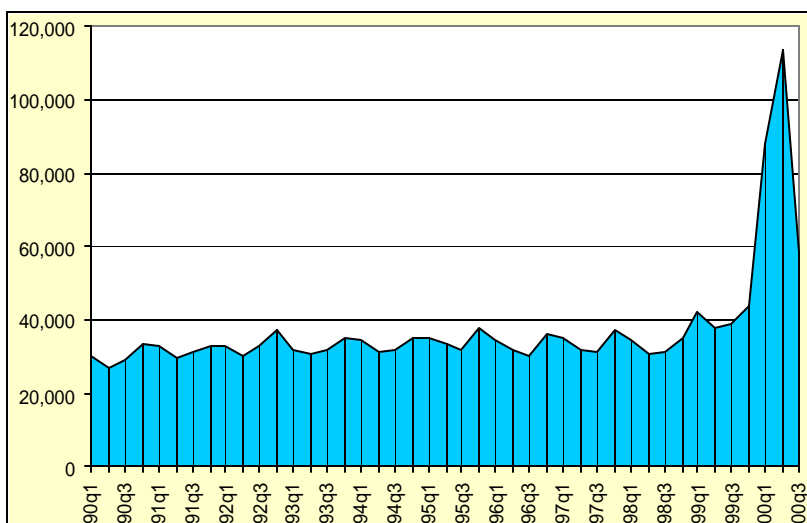


EMPLOYMENT TRENDS, 1990-2000

Life sciences research employment in Missouri has increased substantially during the last decade - especially since 1999. The most current data estimates 7,394 life sciences research jobs during 3rd quarter 2000.

Employment was highest during 2nd quarter 2000, with 7,892 jobs. Employment was lowest during 1st quarter 1990, with 2,056 jobs.

Source: ES-202, MO Department of Economic Development



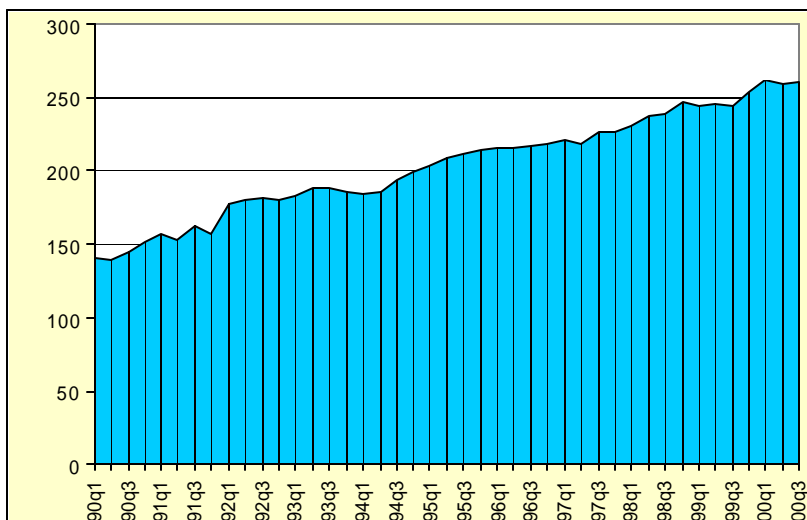
ANNUAL AVERAGE WAGE PER JOB TRENDS, 1990-2000

Annual average wages per job in the life sciences research industry in Missouri has also increased substantially since 1990 - with a sharp peak in early 2000. The most current data estimates an average wage per job of \$58,109 during 3rd quarter 2000 - much higher than the state average wage of \$30,497. During most of the past decade, average wages per job showed peaks in the 4th quarter - indicating seasonality.

Average wages per job were highest during 2nd quarter 2000, at \$113,683 per job. Average wages per job were lowest during 2nd quarter 1990, at \$26,829 per job.

Wages adjusted to 2000 real dollars.

Source: ES-202, MO Department of Economic Development



FIRM TRENDS, 1990-2000

The number of life sciences research firms in Missouri has also increased substantially since 1990. The most current data estimates 260 life sciences research firms during 3rd quarter 2000.

Firms were most numerous during 1st quarter 2000, at 262 establishments. Firms were least numerous during 2nd quarter 1990, at 140 establishments.

Source: ES-202, MO Department of Economic Development

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